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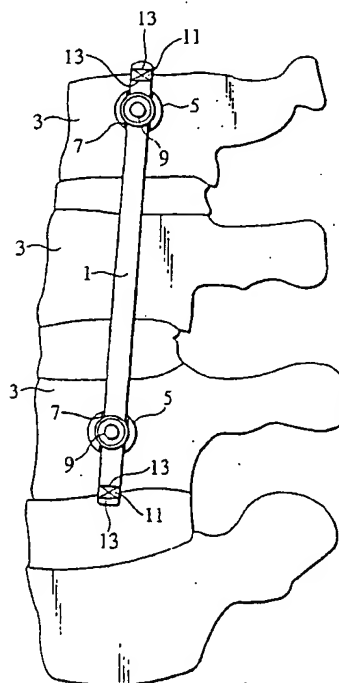
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(54) Bone setting connecting member

(57) A bonesetting connecting member (1, 17, 19, 21) having an end area supported by a bonesetting tool (5) appropriately mounted to a vertebra (3), thereby connecting the vertebra (3), comprises a polygonal tool engaging portion (11) provided on a body of the bonesetting connecting member (1, 17, 19, 21), and a tool restricting portion (13) for preventing a tool from moving toward opposite sides of the tool engaging portion (11).

FIG.1



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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 00 72768 A (FORTIN FREDERIC) 7 December 2000 (2000-12-07) * the whole document *	1-3,5,7,8	A61B17/70
A	US 5 437 669 A (FREDRICKSON BRUCE E ET AL) 1 August 1995 (1995-08-01) * column 5, line 21 - line 31; figure 1 *	1-8	
A	US 5 306 275 A (BRYAN DONALD W) 26 April 1994 (1994-04-26) * abstract; figures 1,11 *	1,4,6,8	
A	WO 93 14721 A (SALUT LTD) 5 August 1993 (1993-08-05) * abstract; figure 1 *	1,6	
A	US 5 591 165 A (JACKSON ROGER P) 7 January 1997 (1997-01-07) * abstract; figure 18 *	1,8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A61B
Place of search		Date of completion of the search	Examiner
BERLIN		10 December 2002	Hansen, S
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 00 0164

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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10-12-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0072768	A	07-12-2000	FR	2794357 A1	08-12-2000
			AU	4931900 A	18-12-2000
			EP	1164956 A1	02-01-2002
			WO	0072768 A1	07-12-2000

US 5437669	A	01-08-1995	NONE		

US 5306275	A	26-04-1994	US	5498262 A	12-03-1996
			US	5947965 A	07-09-1999

WO 9314721	A	05-08-1993	US	5300073 A	05-04-1994
			AU	663918 B2	26-10-1995
			AU	3332793 A	01-09-1993
			AU	4189797 A	22-01-1998
			BR	9207070 A	05-12-1995
			CA	2129011 A1	05-08-1993
			CN	1076850 A	06-10-1993
			EP	0624081 A1	17-11-1994
			FI	943521 A	27-07-1994
			JP	2549824 B2	30-10-1996
			JP	7500760 T	26-01-1995
			KR	147459 B1	01-08-1998
			KR	147537 B1	01-08-1998
			KR	147685 B1	01-08-1998
			MX	9300405 A1	29-07-1994
			NO	942793 A	21-09-1994
			NZ	246497 A	24-03-1997
			WO	9314721 A1	05-08-1993
			US	6197028 B1	06-03-2001

US 5591165	A	07-01-1997	FR	2697743 A1	13-05-1994
			US	6015409 A	18-01-2000
			AT	187632 T	15-01-2000
			AU	682013 B2	18-09-1997
			AU	5362994 A	08-06-1994
			CA	2149036 A1	26-05-1994
			DE	69327345 D1	20-01-2000
			DE	69327345 T2	03-08-2000
			EP	0719118 A1	03-07-1996
			JP	8506025 T	02-07-1996
			NO	951793 A	14-06-1995
			WO	9410944 A1	26-05-1994

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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